



Extending Sametime 8.5.x

Karen Brent
Early Program Manager

Agenda

- Sametime
- Portfolio integration
- Extending using SDK
 - Connect Toolkit
 - Browser / Proxy Toolkit
- Summary



Sametime

- IBM's strategic offering for unified communications and collaboration
- A cross-platform runtime for real-time and asynchronous communication and collaboration services
- Server runtimes for Presence, Instant messaging, Meetings, Audio and video, Broadcast communities, persistent chat rooms, Telephony integration
- A rich cross-platform client-side runtime for multi-modal communications and custom applications and a zero-download Web client for instant messaging and presence
- A robust SDK based on a mature programming model for developing client-side and server-side plug-ins and for embedding unified communications services into Web applications



Portfolio integration

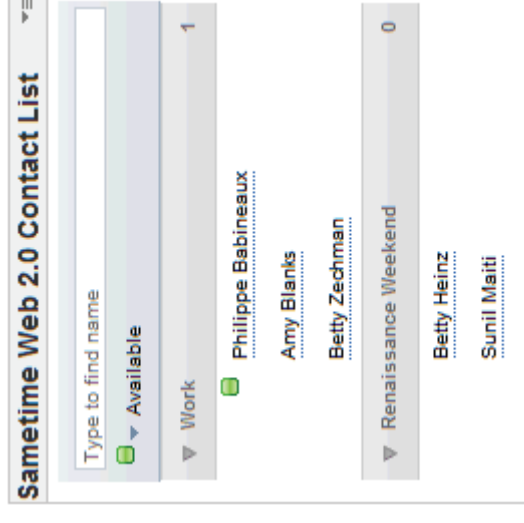
- Out-of-the-box Sametime integration available for Portal, Connections, iNotes
 - Verify matching versions
- From directly within the host software
 - Presence awareness on live names
 - Launch web chat from live names
 - Sametime contact list



Sametime integration in Portal

- Version requirements
 - Portal 7.0.0.1
 - Sametime Proxy Server 8.5.1.x with fix #WHOS-8MAJ6R
- Presence and chat achieved through configuration
- Sametime Contact list is a portlet available on Greenhouse

- Other Portlets
 - Sametime enabled if using the PageBuilder theme
 - Otherwise some coding will be required

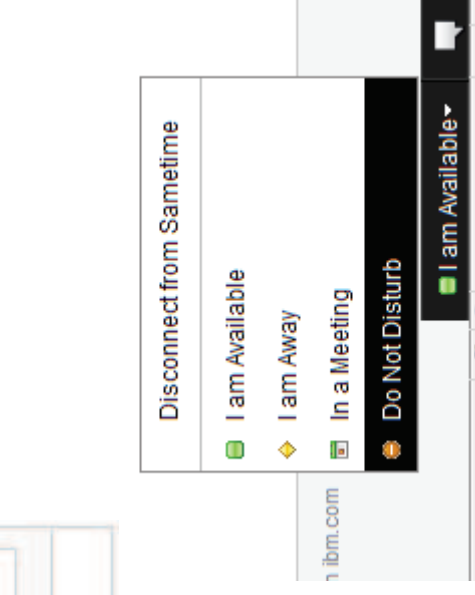
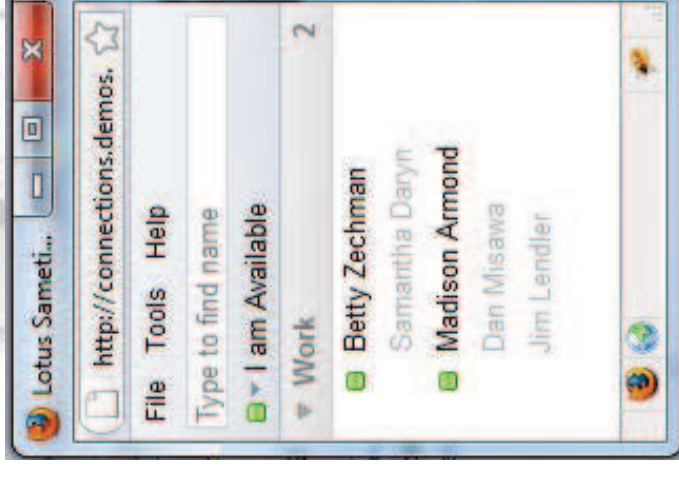
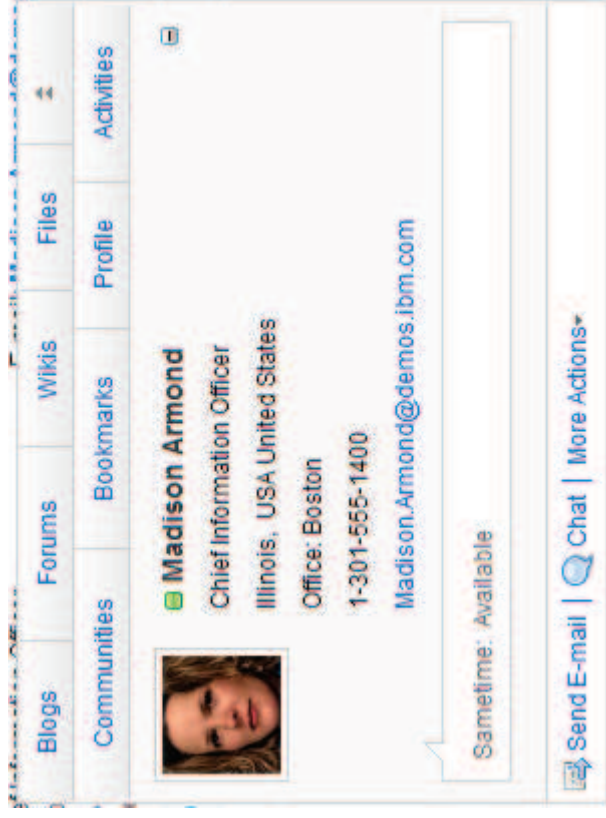


Sametime integration in Connections

- Version requirements
 - Connections 3.0.1
 - Sametime Proxy Server 8.5.1.x with fix #WHOS-8MAJ6R
- Currently requires a proxy server
 - Ajax requests used by STProxy in 8.5.1.1 require all requests go through the server you are accessing in the browser session i.e. the Connections server
 - Edge server or HTTP server configured as reverse proxy

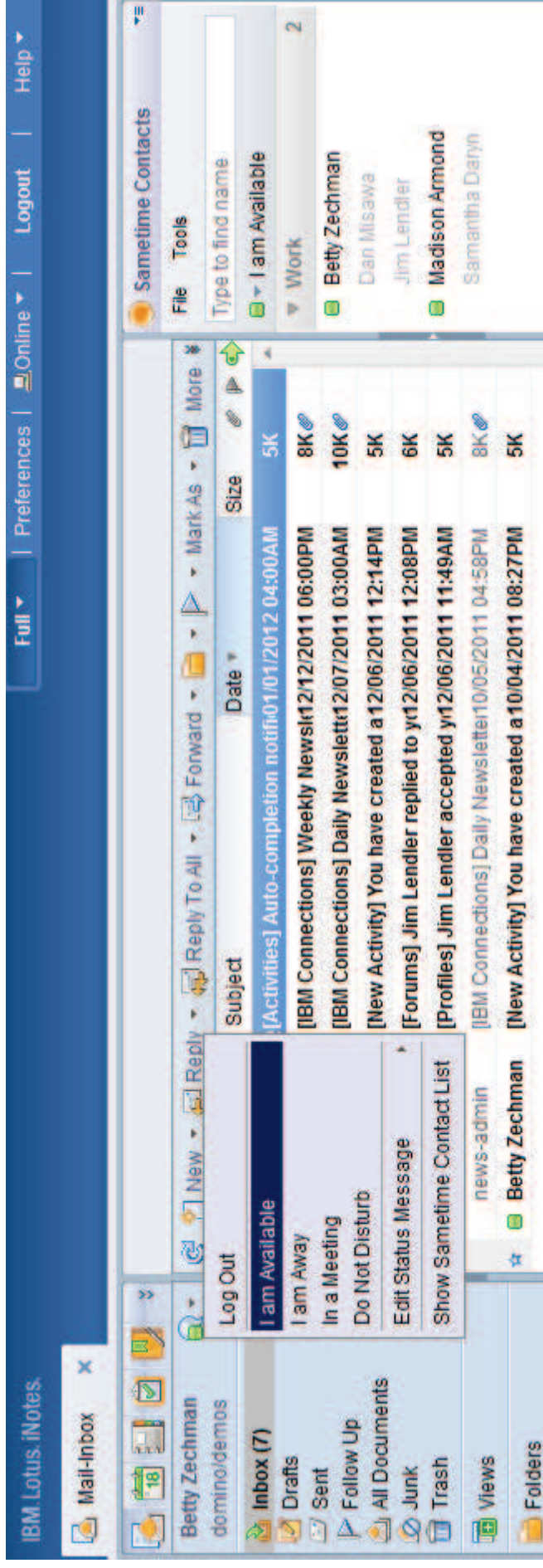
Sametime integration in Connections

- Presence, chat and contact list achieved through configuration



Sametime integration in iNotes

- Version requirements
 - Domino 8.5.3
 - Sametime Proxy Server 8.5.2 IFR1
- Presence, chat and contact list achieved through configuration



Current SDK Spectrum

Toolkit	Purpose	Runtime
Community Server	Build Java components that add or extend services on the Sametime server.	Server
Connect	Build Eclipse plug-ins to extend or integrate with the Sametime Connect client.	Desktop
Connect Web	Surface functionality from the Sametime Connect client into Web applications using Javascript and HTML.	Web browser
Directory and Database Access	Build Windows-only C++ or platform-independent Java server-side components that provide integration with databases and directory servers.	Server
Helper	Integrate Sametime functionality into the desktop and into third-party desktop applications.	Desktop
Java	Add Sametime functionality to Java applications; build server-side plug-ins.	Desktop, server
Links	Add Sametime functionality to Web applications using Javascript and HTML.	Web browser
Monitoring and Statistics	Access Sametime server statistics in XML format via HTTP.	Desktop, server
Online Meeting	Schedule and manage online meetings via HTTP (includes MRC extensibility).	Desktop, server
Proxy	Add Sametime functionality to Web applications using standard UI Widgets built on Javascript and Dojo.	Desktop
TCSPi	Integrate telephony services into the Sametime Connect client .	Server

SDK for Meetings (Beta)

- User Services (RoomServices class)
 - Create, Edit, Search, Fetch, Delete
 - Search Controls (Sort Keys, Sort Order, Pagination)
 - Integration
 - Used to associate the room with another product, place, or community
- Admin Services (AdminRoomServices class)
 - Provides more control to the admin user
 - Assuming the API caller is logged-in as meeting server admin
 - Can make calls on behalf of other users, e.g. create an Admin script, to Create/Delete a room for another user.



Sametime Meetings SDK

http://www.ibm.com/developerworks/lotus/downloads/sametime_remote_client_sdk.html

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IBM Sametime Meetings Remote Client SDK

Summary: The IBM Sametime Remote Client SDK package provides Java APIs for room creation and management against the IBM Sametime 8.5.2 Meetings Server. The SDK exposes services that mirror the capabilities of the Meeting Center, such as creating, editing, updating and deleting meetings.

Date: 13 Jan 2012 (Published 24 Jun 2011)
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↓ **Get the download**

The IBM Sametime® Remote Client SDK package provides Java™ APIs for room creation and management against the IBM Sametime 8.5.2 Meetings Server. The SDK exposes services that mirror the capabilities of the Meeting Center, such as creating, editing, updating and deleting meetings.

Introduction

The IBM Sametime Meetings server, since version 8.5, is based on RESTful web services. The IBM Remote Client toolkit provides a clean Java wrapper around the room management REST APIs making it easy for customers and partners to integrate and build applications against the 8.5.2 server.

The functionality exposed is currently limited only to room services—creating, editing, updating, searching, deleting rooms. Realtime capabilities will be surfaced in later releases.

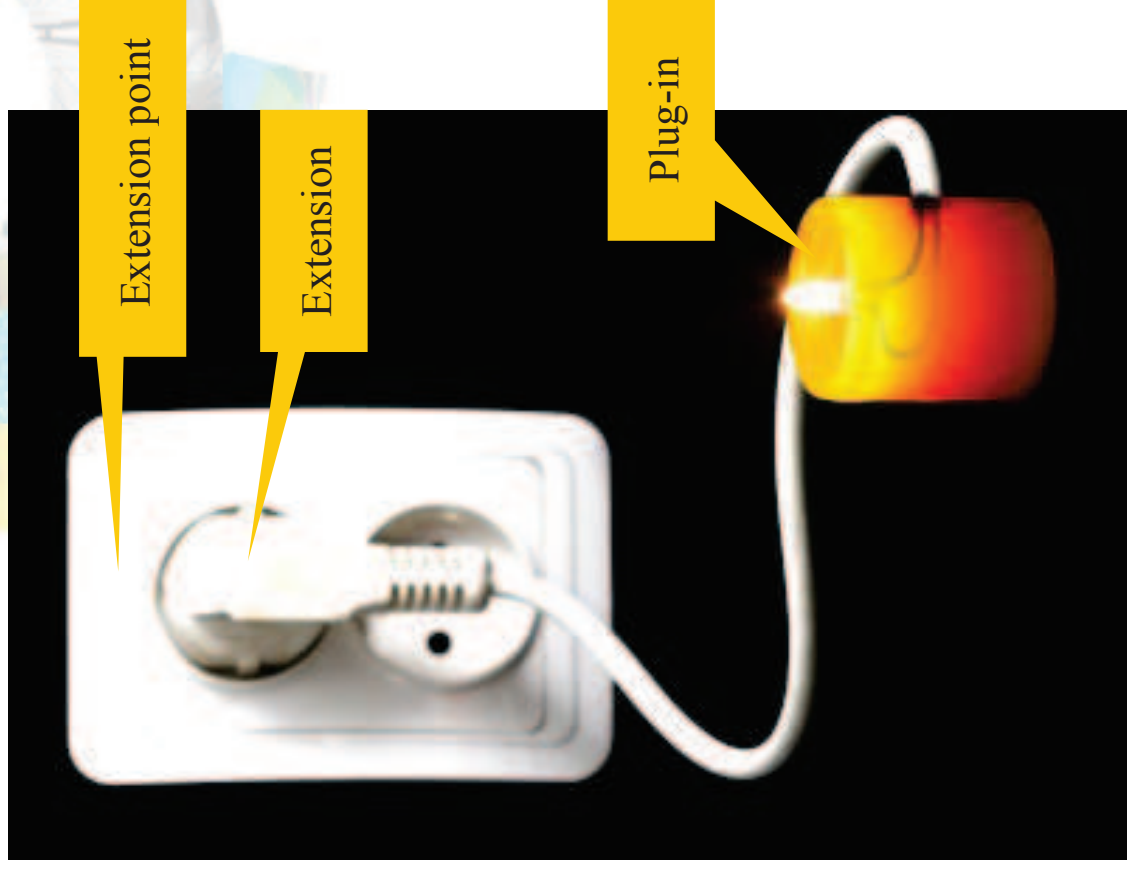
Additional resources

- [Download a trial version of IBM Sametime Standard](#)
- [No-charge downloads: IBM Sametime Standard V8.5.x Software Development Kits \(SDK\)](#)
- [Using the IBM IBM Sametime Unified Telephony API](#)
- [Understanding IBM Lotus Sametime 8.5.1 enterprise architecture and design](#)
- [Deploying a scalable IBM Lotus Sametime 8.5.1 environment for small-to-medium businesses](#)

Connect Client

Plug-ins, extensions and extension points

- **Plug-in**
 - An application that implements one or more extensions and runs on top of the Sametime Connect client runtime
 - Complies with the Eclipse plug-in programming model
- **Extension point**
 - An interface that allows adding custom code to the Sametime Connect client runtime
 - Allows adding functionality to the user interface
 - Allows modifying the behavior of the Sametime Connect client
- **Extension**
 - The custom code that implements the extension point



Connect Client extension points

Audio and telephony controls

Contact names and status icons

Plug-in application panels

Status bar

Extensible tools menu

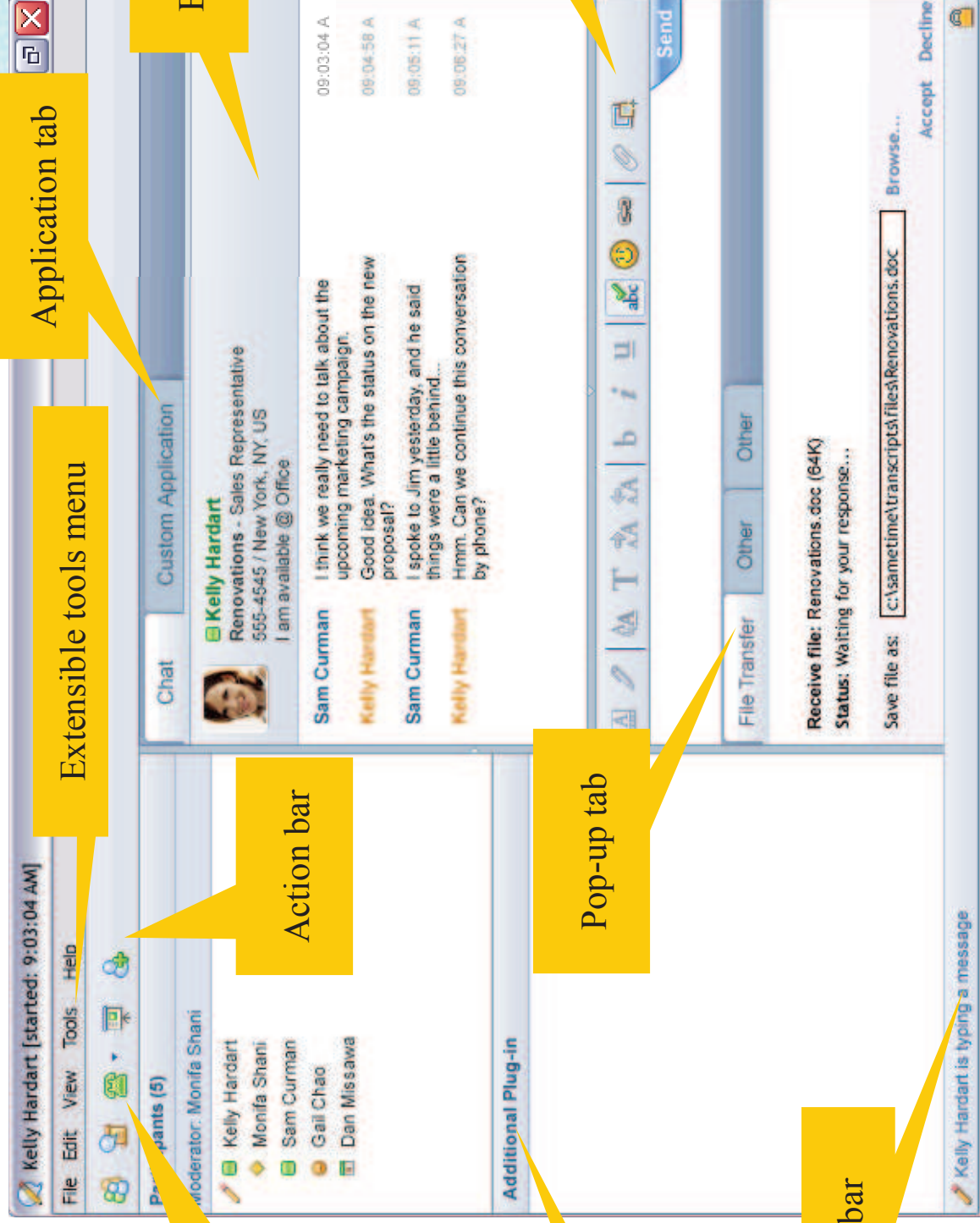
Action bar

Context menu

Branding area



Chat session window extension points



Application tab

Extensible tools menu

Audio and telephony controls

Action bar

Branding area

Message toolbar

Pop-up tab

Application panel

Status bar

Web Client



Address Book

Add Send Settings Help

Type to find name

Sales Team

- Al Moreno
- Allie Singh
- Amadou Alain
- Amy Blanks
- Betty Zechman
- Denis Mickles

Sales Accounts

- Vivian Hanley
- Dina Maroni
- Ed ElAmon
- Gardner Raynes
- Evelyn Stamwood

Marketing Team

- Bill Ranney
- Liz Schonfeld

Amy Blanks
Renovations - Sales Representative
555-4545 / New York, NY, US
I am available @ Office

File Tools Help

Betty Zechman
I am available at home
555-3434 / +1 (413) 555-3434

Betty Zech... Hi Jim, how are you doing? 08:04

Jim Lendler Hi Betty, I'm well. Working on getting that sales report to you! 08:04

Betty Zech... That's great news I had messaged you to get an update on it. Thanks a lot for all your help on it. I'll let you get back to it. 08:06

Jim Lendler No problem, glad to be of help. 08:07

b i u [Link] [Image]

Betty Zechman is typing

Sametime web toolkit

- Sametime Proxy Server
- Integration points for consuming Sametime services from Web applications
- Sametime Web client

Browser



Sametime Web Client

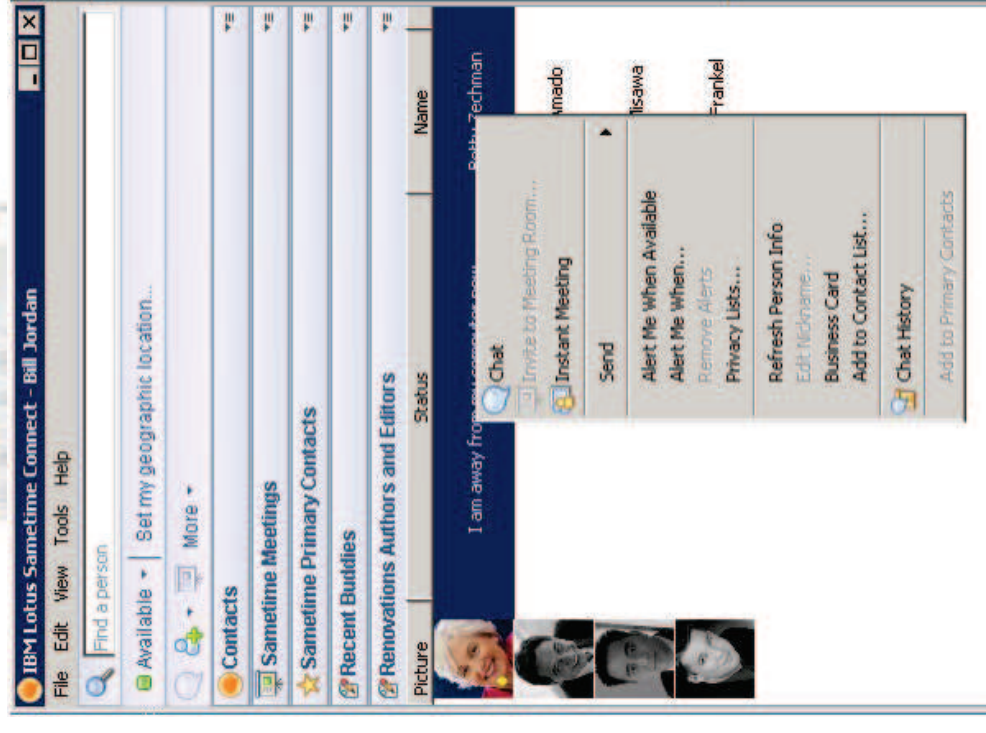
Proxy Toolkit

Sametime Proxy

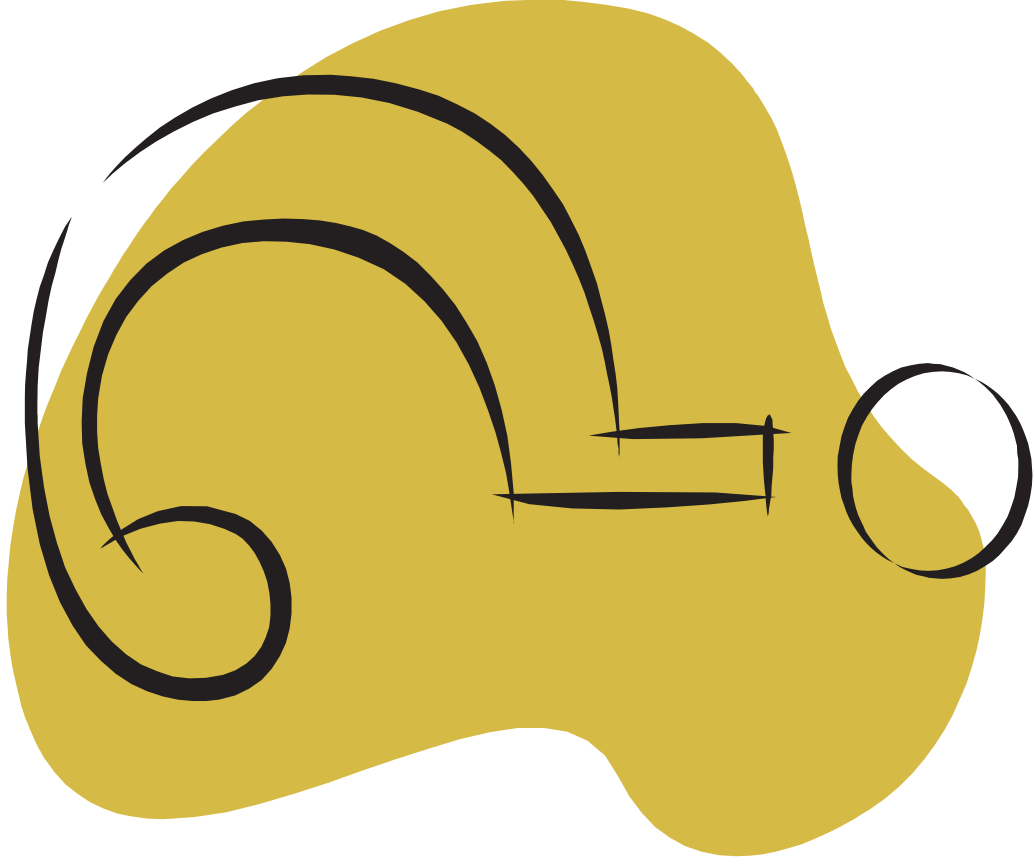
Sametime
Community Server

Labs available

- Creating a Sametime Connect plug-in
 - 5 part lab
 - Familiarize yourself with the elements of the toolkit, use the toolkit documentation and explore a sample plug-in.
 - Create a plug-in that adds a view to the Sametime shelf.
 - Extend the plug-in to pull user status from Sametime.
 - Extend the plug-in to show a user image, pulled from the Sametime directory.
 - Extend the plug-in to react to a context request.



Questions?



Hands on Labs

Administrator password: d3moL0tus

